

What chance Zero Carbon Now?



ZC Definitions

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Is the existing definition of zero carbon workable?

No



Which of the proposed definitions is most suitable?

Current ZC definition (Treasury)

- ❑ Net CO₂ emissions over a year zero or better.
- ❑ Includes energy consumed:
 - space heating/cooling,
 - hot-water systems,
 - ventilation,
 - internal lighting, cooking and electrical appliances
- ❑ No secondary heating requirement.
- ❑ Onsite renewable/low carbon installations included.
- ❑ Off-site renewable contributions by private wire.
- ❑ Heat Loss Parameter (covering walls, windows, air tightness and other building design issues) < 0.8 W/m²K.
- ❑ Appliances and cooking energy calculated using a formula.



Which of the proposed definitions is most suitable? (2)

ZC definition (UKGBC)

- Strict energy efficiency parameters - building design and appliances – must come first

- Minimum level of carbon mitigation on-or near-site
 - E.g. 100% regulated energy (level to be consulted on)
 - Eco Towns – 70% reduction on DER

- Above threshold either:
 - Demonstrably additional off-site solutions built specifically for the development;
 - Pay into Community Energy Fund for equal or greater carbon savings (**NB** priced to clearly incentivise on-or near site first)



**Which of the proposed definitions
is most suitable?**